WHAT IS CLAIMED IS:

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and

1. A multilayer inductor comprising:
a plurality of stacked magnetic layers;
through-holes formed in the stacked magnetic layers;

a plurality of coil conductor patterns disposed between the plurality of magnetic layers and spirally connected to each other via the through-holes;

wherein the area of a projected plane of a circuit of each coil conductor pattern on a main surface of the magnetic layer is in a range from about 35% to about 75% of the area of the main surface of the magnetic layer.

- 2. A multilayer inductor according to Claim 1, further comprising a nonmagnetic element disposed in the vicinity of the coil conductor patterns in the magnetic layer.
- A multilayer inductor according to Claim 1, further
 comprising external electrodes provided on the ends of the multilayer inductor.
- A multilayer inductor according to Claim 3, wherein the coil conductor patterns include lead out portions which
 are connected to respective ones of the external electrodes.

- 5. A multilayer inductor according to Claim 1, wherein the magnetic layers are substantially disk-shaped.
- 6. A multilayer inductor according to Claim 1, wherein the projected plane of the circuit of the coil conductor patterns on the main surfaces of the magnetic layers is substantially ring-shaped.
- 7. A multilayer inductor according to Claim 1, wherein an air gap or a cavity is disposed inside one of the plurality of coil conductor patterns.
- 8. A multilayer inductor according to Claim 1, wherein selected ones of the plurality of coil conductor patterns have substantially C-shaped configurations.
- 9. A multilayer inductor according to Claim 1, wherein selected ones of the plurality of coil conductor patterns
 have substantially J-shaped configurations.